



## NCDOT Prioritization 3.0 Project Summary

**SPOT ID:** H142034

**Mode:** Highway

**Status:** Submitted

### NC-105

**From/Cross Street:** South of SR 1112

**Specific Improvement Type:** 16 - Modernize Roadway

**To:** North of SR 1112

**Project Category:** Statewide Mobility

**Length:** 0.31

**TIP#:** R-2566

**Fully Funded in Draft STIP?** No

**Cost to NCDOT:** \$1,409,000

#### Description:

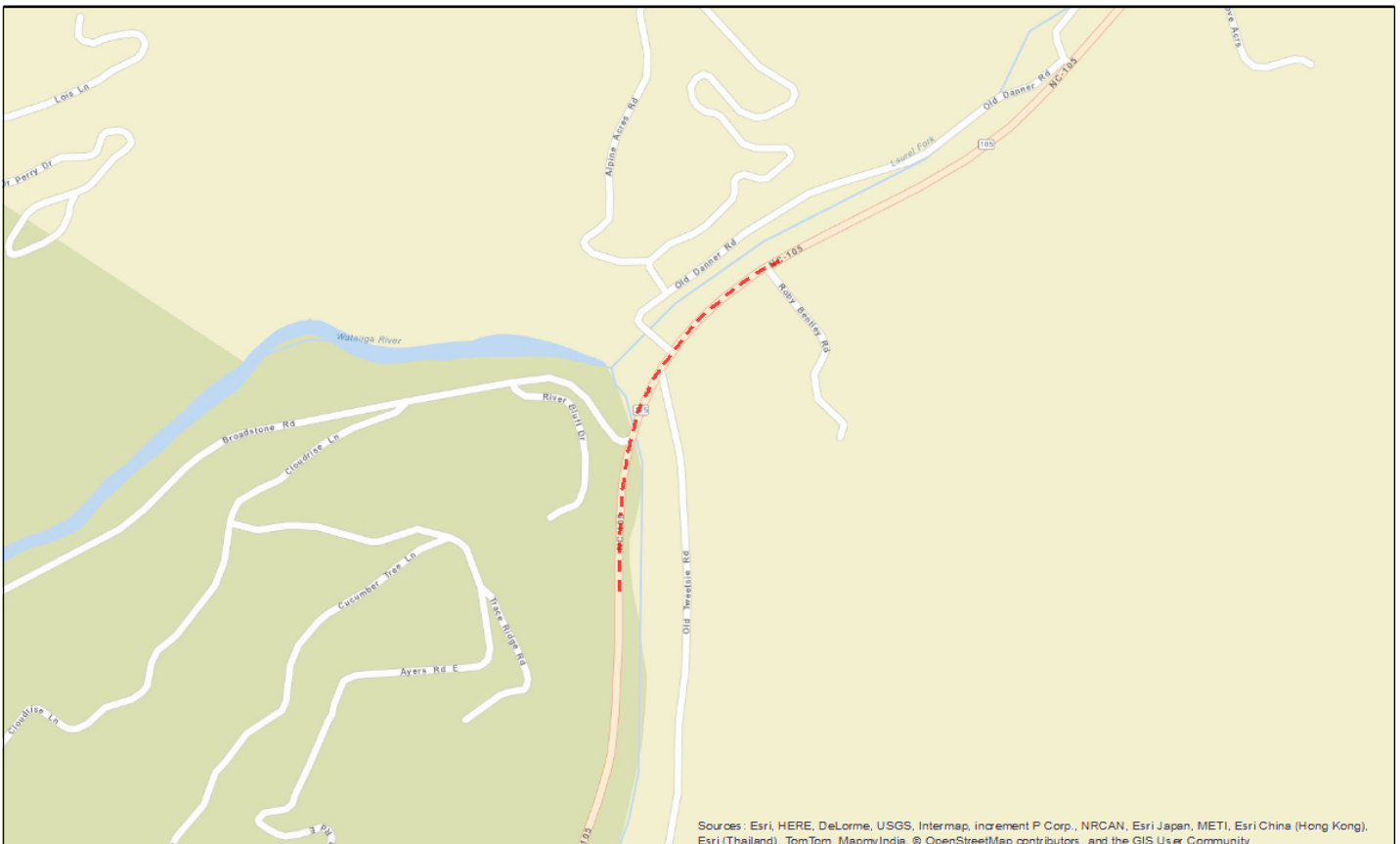
Construct new bridge over Watauga River and construct left-turn lane at SR 1112 (Broadstone Road).

**Division(s):** Division 11

**County(s):** WATAUGA

**MPOS(s)/RPO(s):** High Country RPO

#### Project Location



**Statewide Mobility Total Score: 24.92**

<b>Quantitative Score</b>	<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
Congestion (V/C) (30%) 52.33 Safety (10%) 82.80 Economic Competitiveness (10%) 0.00 Multimodal + [Freight & Military] (20%) 4.70 [Travel Time] Benefit/Cost (30%) 0.00	N/A	N/A
<b>Totals: Weight: 100% Weighted Score: 24.92</b>		

**Regional Impact Total Score: 21.97**

<b>Quantitative Score</b>	<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
Congestion (V/C) (25%) 52.33 Safety (10%) 82.80 [Travel Time] Benefit/Cost (25%) 0.00 Accessibility / Connectivity (10%) 6.08	Percent: 15% Points: 0	Percent: 15% Points: 0
<b>Totals: Weight: 70% Weighted Score: 21.97</b>		

**Division Needs Total Score: 68.75**

<b>Quantitative Score</b>	<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
Congestion (V/C) (20%) 52.33 Safety (10%) 82.80 [Travel Time] Benefit/Cost (20%) 0.00	Percent: 25% Points: 100	Percent: 25% Points: 100
<b>Totals: Weight: 50% Weighted Score: 18.75</b>		

**Project Data \*****Existing Conditions**

Existing Cross-Section:	
Speed Limit:	55
Length (miles):	0.31
Facility Type:	Two Lane Highway
Access Control:	None
Functional Classification:	Other Principal Arterial
Terrain Type:	Mountainous
Lane Width:	11
Paved Shoulder Width:	4
Roadway has Curb & Gutter?	No
Volume (AADT):	12253.3
Capacity:	15500.33
Volume/Capacity Ratio:	0.79
% Autos:	92%
% Trucks:	8%
Truck Volume:	940.69
Crash Density:	99.67
Crash Severity:	64.95
Critical Crash Rate:	83.82
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	3
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	21
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	91
Actual Congested Speed:	0
Travel Time Index:	

**Project Benefits**

Project Cross-Section:	
Speed Limit:	55
Length (miles):	0.31
Facility Type:	Two Lane Highway
Access Control:	None
Functional Classification:	Other Principal Arterial
TerrainType:	Mountainous
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	0
Travel Time Savings for 30 Years (Autos):	0
Travel Time Savings for 30 Years (Trucks):	0
Long-Term Employment:	0
% Change in Economy:	0
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	No
In CTP or LRTP?	
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 11

\* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT On!ine tool and associated databases.

**Project Ownership****Division**

<b>Division</b>	<b>Percent</b>	<b>Regional Impact</b>	<b>Division Needs</b>
Division 11	100%	0	100
	0%	0	0
	0%	0	0
<b>TOTAL Division Points</b>		<b>0</b>	<b>100</b>

**MPO/RPO**

<b>MPO/RPO</b>	<b>Percent</b>	<b>Regional Impact</b>	<b>Division Needs</b>
High Country RPO	100%	0	100
	0%	0	0
	0%	0	0
<b>TOTAL MPO/RPO Points</b>		<b>0</b>	<b>100</b>

**Project Cost and Source**

Construction Cost:	\$1,409,000	Cost Estimation Tool
Right-of-Way Cost:	\$0	Cost Estimation Tool
Utilities Cost:	\$0	Cost Estimation Tool
Total Project Cost:	\$1,409,000	
Other Funding:	\$0	None
<b>Cost to NCDOT :</b>	<b>\$1,409,000</b>	